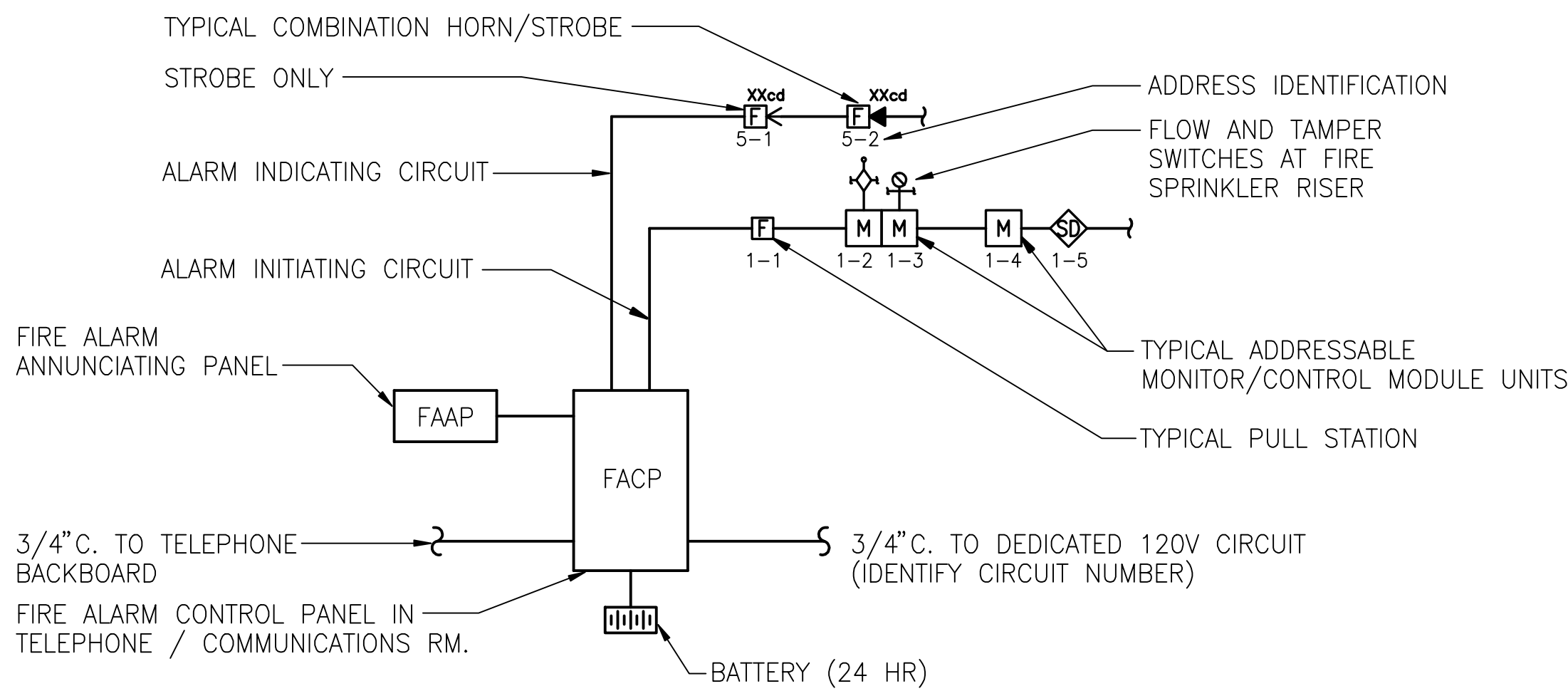


NOTE: THIS IS A TYPICAL RISER LAYOUT AND IS SCHEMATIC IN NATURE. NOT ALL DEVICES ARE SHOWN. FIRE ALARM CONTRACTOR TO ENSURE ALL NEW DEVICES ARE INCLUDED ON THE RISER. PROVIDE COMPLETE RISER LAYOUT ON SHOP DRAWINGS.



FIRE ALARM RISER DIAGRAM NOTES:

- REFER TO FLOOR PLAN FOR LOCATION AND QUANTITY OF DEVICES.
- UNDER THE ACTIVATION OF SPRINKLER FLOW, SMOKE DETECTOR AND/OR ANY HVAC UNIT DUCT SMOKE DETECTOR THE CONTROL PANEL SHALL SHUT-OFF HVAC UNITS.

1 TYPICAL FIRE ALARM RISER
SCALE: NTS

NOTE: THIS IS A TYPICAL EQUIPMENT SCHEDULE AND IS SCHEMATIC IN NATURE. NOT ALL EQUIPMENT IS SHOWN. FIRE ALARM CONTRACTOR TO ENSURE ALL EQUIPMENT IS INCLUDED. PROVIDE COMPETE EQUIPMENT SCHEDULE ON SHOP DRAWINGS

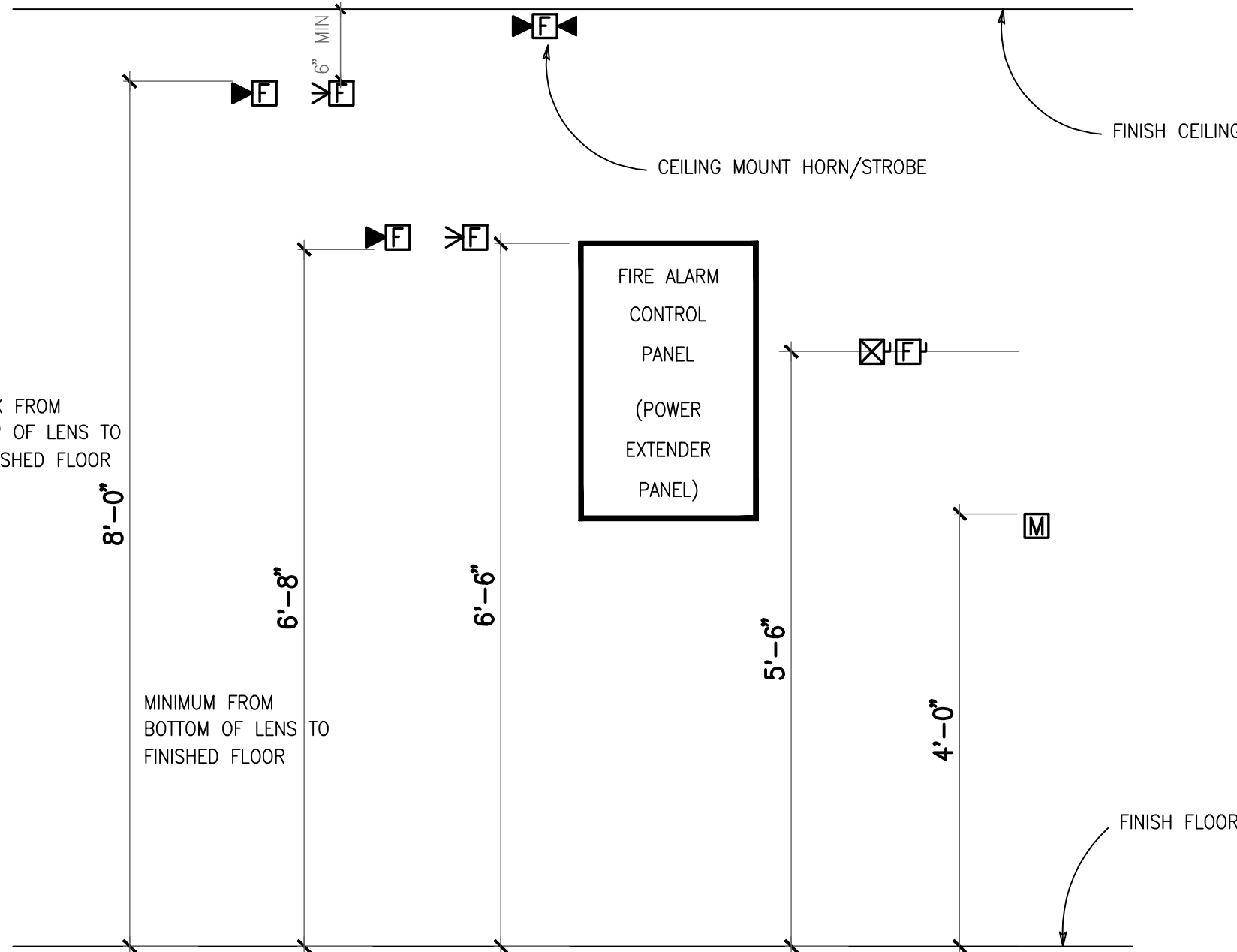
EQUIPMENT LIST - (PROJECT NAME)					
QUANTITY	DESCRIPTION	MANUFACTURER	MODEL NO.	STANDBY CURRENT MA	ALARM CURRENT MA
(MANUFACTURER NAME AND REPRESENTATIVE CONTACT INFORMATION)					
BUILDING FIRE ALARM SYSTEM					
XX	FIRE ALARM CONTROL PANEL W/ DACT	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXX
XX	- BATTERY CHARGER	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- EXTERNAL BATTERY CABINET	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- BATTERY (55AH)	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- NETWORK INTERFACE MODULE, COPPER WIRE	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXX
XX	INTELLIGENT NETWORK COMMAND CENTER	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- COMMAND CENTER VOICE GATEWAY	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXX
XX	- ADDRESSABLE SWITCH MODULE	(MANUFACTURER NAME)	(MODEL NO.)	XX	XXX
XX	- FIRE FIGHTER TELEPHONE HANDSET	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- PAGING MICROPHONE MODULE	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- INNER DOOR W/ ONE DOUBLE SLOT FOR INCC-TEL	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	INTELLIGENT NETWORK TRANSPONDER	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- INTELLIGENT NETWORK INTERFACE-VOICE GATEWAY	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXX
XX	- ADDRESSABLE SWITCH MODULE - DUAL CHANNEL	(MANUFACTURER NAME)	(MODEL NO.)	XX	XX
XX	- POWER SUPPLY	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XX
XX	- AMPLIFIER	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXXX
XX	- BATTERY (31AH)	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	- EXTERNAL BATTERY CABINET	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
NEW ADDRESSABLE FIRE ALARM INITIATING DEVICES					
XX	ADDR. SMOKE DETECTOR - PHOTOELECTRIC	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXXX
XX	- SMOKE DETECTOR BASE (STANDARD)	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	ADDRESSABLE RELAY MODULE	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXX
XX	ADDRESSABLE INPUT MODULE	(MANUFACTURER NAME)	(MODEL NO.)	XXX	XXX
ACCESSORIES:					
XX	SLC WIRE - 2C#18	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	NETWORK WIRE - 4C#18	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	NAC CIRCUIT WIRE - 2C#12	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
XX	NAC CIRCUIT WIRE - 2C#14	(MANUFACTURER NAME)	(MODEL NO.)	N/A	N/A
NOTIFICATION APPLIANCES:					
XX	ADA SPEAKER/STROBE-15CD, WALL MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XX
XX	ADA STROBE ONLY-15CD,WALL MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XX
XX	ADA SPEAKER/STROBE -15CD, CEILING MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XX
XX	ADA SPEAKER/STROBE-30CD, WALL MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XX
XX	ADA STROBE ONLY - 30CD, WALL MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XX
XX	ADA SPEAKER/STROBE-30CD, CEILING MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XXX
XX	ADA SPEAKER/STROBE-75CD, WALL MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XXX
XX	ADA STROBE ONLY - 75CD, WALL MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XXX
XX	ADA SPEAKER/STROBE-75CD, CEILING MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XXX
XX	ADA SPEAKER/STROBE-110CD, WALL MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XXX
XX	ADA SPEAKER/STROBE-95CD, CEILING MOUNT	(MANUFACTURER NAME)	(MODEL NO.)		XXX
XXXX	TOTAL NOTIFICATION APPLIANCES				XXXXX

2 EQUIPMENT LIST FOR FIRE ALARM EQUIPMENT
SCALE: NTS

NOTE: THIS IS A TYPICAL I/O MATRIX AND IS SCHEMATIC IN NATURE. NOT ALL INPUTS OR OUTPUTS ARE SHOWN. FIRE ALARM CONTRACTOR TO ENSURE ALL I/O ARE INCLUDED. PROVIDE COMPLETE I/O MATRIX ON SHOP DRAWINGS

SYSTEM INPUTS	SYSTEM OUTPUTS															
	ACTUATE ALL SPEAKERS & STROBES	DELAYED EGRESS UNLOCKING SEQUENCE	HVAC SHUTDOWN FOR SMOKE CONTROL	ELEVATOR RECALL	ELEVATOR POWER SHUNT TRIP	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO MONITORING SERVICE	TRANSMIT TROUBLE SIGNAL TO MONITORING SERVICE	ACTUATE EXTERIOR BELL TO INDICATE WATERFLOW	RELEASE MAGNETICALLY HELD DOORS	CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS	DISPLAY/PRINT CHANGE OF STATUS & ADDRESS LOCATION	ACTUATE COMMON AUDIBLE ALARM SIGNAL AT FACP & ANNUNCIATORS	ACTUATE COMMON AUDIBLE SUPERVISORY SIGNAL AT FACP AND ANNUNCIATORS	ACTUATE COMMON AUDIBLE TROUBLE SIGNAL AT FACP AND ANNUNCIATORS	
FIRE ALARM AC POWER FAILURE-FACP & ALL POWER PANELS																
FIRE ALARM SYSTEM LOW BATTERY-FACP & ALL POWER PANELS																
OPEN CIRCUIT-FACP & ALL POWER PANELS																
GROUND FAULT-FACP & ALL POWER PANELS																
NOTIFICATION APPLIANCE SHORT CIRCUIT-FACP & ALL POWER PANELS																
MANUAL PULL STATION	X	X														
SMOKE DETECTORS - ELEVATOR MACHINE ROOM	X	X														
SMOKE DETECTORS - ELEVATOR LOBBIES	X	X														
HEAT DETECTORS - ELEVATOR MACHINE ROOM	X	X														
SMOKE DETECTORS - ABOVE FACP & POWER PANELS AND FOR EGRESS	X	X														
WET SYSTEM FLOW SWITCH	X	X														
TAMPER SWITCHES ON SPRINKLER CONTROL VALVES																
TAMPER SWITCH ON KNOX BOX																
DUCT SMOKE DETECTORS - SAMPLING TUBE FOR HVAC SMOKE CONTROL INPUT																

2 I/O MATRIX
SCALE: NTS



- NOTE:
- VERIFY ALL MOUNTING HEIGHTS WITH UFAS REQUIREMENTS AND OTHER APPLICABLE CODES.
 - COORDINATE MOUNTING HEIGHTS WITH ALL ARCHITECTURAL ELEVATIONS, FLOOR PLANS AND DETAILS PRIOR TO ROUGH-IN. INFORM ARCHITECT OF ANY CONFLICTS.

3 MOUNTING HEIGHT DETAIL
SCALE: NTS

95% SUBMISSION

CSHQ

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FIRE ALARM RISER
DIAGRAM AND DETAILS

APPROVED: DIVISION CHIEF

APPROVED: SERVICE DIRECTOR

VAMC
RENOVATE
BUILDING 33

BUILDING NUMBER
33

CHECKED
AKD

DRAWN
DJP

LOCATION
BOISE, IDAHO

DATE
03/04/11

PROJECT NO.
531-10-114

DRAWING NO.
FP3.1

DWG. 102 OF 102

